

Application example

Shelter and Safety Areas

- Cabin Filter -



To protect military aircraft and other weapon systems of the different arms from sabotage, rocket - to protect and air attacks with conventional weapons, EMP, or NEMP (nuclear electromagnetic pulse), special shelters and secure areas are designed and built.

Partially these people and materials – shelters are under the ground, deep inside the mountain or on ground level.



All power supply, data - and telecom cables into the shelter / bunker must be connected under high protection. All supply lines must be proofed under TEMPEST - regulation.

Filter for protection unit and power supply components are required to resist against a nuclear strike and be safe and remain fully operational afterwards.

For this requirement, the power supply components such as cabin filters and EMP / NEMP protectors are accelerated with $a_{\max} = 160 \text{ m/s}^2$ (16g), $V_{\max} = 1.6 \text{ m/s}$ speeds and thrown against an obstacle.

In addition, extreme dv / dt spikes conducted transients and high voltage test.

The necessary cabin filter supplies equipment and facilities with power up to > 4.000 Ampere.

Some filter stages (L1, L2, L3, N) can rise depending on current and general requirements more than a ton weight.

Bajog electronic cabin filter guarantee since 1990 the high security request with all cabin filter in several NATO – countries and for different armed service

